

POE100

User's Manual

Gigabit PoE Extender 1-port PD + 1-port PSE

FCC Warning

This device has been tested and found to comply with limits for a Class A digital device and pursuant to Part 15 of FCC Rules. These limits are designed to provide a reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates and radiates radio frequency energy. If equipment is not installed and used in accordance with the user manual, it may cause interference in which case, users will be required to correct interference at their own expenses.

CE Warning

This is a Class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

Introduction

POE100 extender allows extending the distance between PoE devices by 100M per extender and cascading for a longer distance.

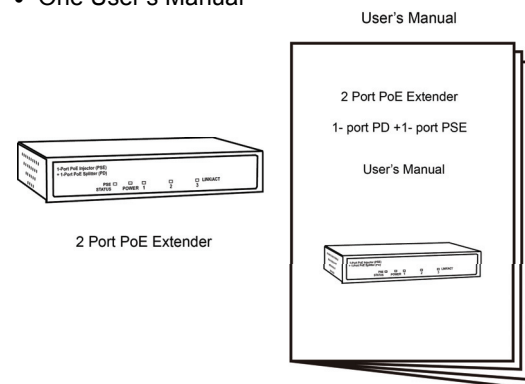
POE100 extender provides one (1) 10/100/1000M Powered Device (PD) input port and one (1) 10/100M Power Sourcing Equipment (PSE) output port with 48V, in compliance with IEEE 802.3af standard. The distance between PoE devices can be extended with the help of POE100 via Cat5/5e/6 cable without any special equipment.

The POE100 extender can be connected to and receive power from other PSE/PoE devices through PD input port via Cat5/5e/6 cable. Connection between Powered Devices can be extended by 100M by connection them to the PSE/PoE output port via Cat5/5e/6 cable. POE100 is designed for easy installation and high performance: ideal for the environment where the network traffic and the number of users are continuously increasing.

Package Contents

Prior to installation, verify that your POE100 package contains the following items:

- One 2-port PoE Extender
- One User's Manual



Note: If any of these items are found missing or damaged, please contact your local supplier for a replacement.

Key Features

- 2-port PoE Extender:
 - 1-port 10/100/1000M PD (Data+Power In)
 - 1-port 10/100/1000M PSE (Data+Power Out)
- Compliant with IEEE 802.3af Power over Ethernet
- Extends the range of PoE by an additional 100 meters
- Palm size with metal chassis
- Auto-detect full/half-duplex modes for any port
- Dedicated full-duplex 2000Mbps bandwidth
- IEEE 802.3x flow control for full-duplex and back-pressure flow control for half-duplex
- Non-blocking & Non-head-of-line blocking full wire speed forwarding
- Auto-MDI/MDI-X function for any port
- Smart plug & play

Front Panel (LEDs)

LED Indicator of POE100: 2-port PoE Extender

LED	Status	Description
PoE Out	ON (Green)	Power OUT
PoE In	ON (Yellow)	Power IN
LINK/ACT	ON	Port is connected
	OFF	No connection
	Blinking	Transmitting/Receiving Data



Rear Panel (Connections)

PSE/PD to 2-port PoE Extender

POE100 PoE extender provides automatic crossover detection functionality. This device can be connected to other PSE/PD via straight through twisted pair cable (Cat5/5e/6).



Technical Specifications

Standards	IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 802.3ab 1000BaseT IEEE 802.3x Flow control IEEE 802.3af PoE
Features	Number of Ports: 1 x PD (Data+Power In)+ 1 x PSE (Data+Power Out) MAC Address: 1K Buffer Memory: 104K Bytes Method: Store and Forward
Transmission Media	Cat5/5e/6 UTP/STP
LED Indicators	Power: PD Link Port 2: PD Link/Act PSE Status: Link Port 1: PSE Link/Act
Power Output/Input	1-port 48V/DC Input/Output
Power Consumption	2 Watts (Max)
Dimensions (H x W x D)	24mm x 130mm x 75mm
Weight	0.25 kg
Operating Temperature	0°C to 40°C
Storage Temperature	-20°C to 90°C
Humidity	10 to 90% RH (non-condensing)
Certifications	FCC Class A, CE

Extending the Distance b/w PSE Devices

Power is received and supplied from other PSE devices through Cat5/5e/6 cable.
The distance between PSE devices is extended by 100M through POE100 device.

Sample Installation Topography

